# Product Evaluation



*The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

*For more information, contact TDI Engineering Services Program at (800) 248-6032.*

**Evaluation ID:** WIN-2116

**Effective Date:** August 1, 2016
**Re-evaluation Date:** February 2018

**Product Name:** 400 Series Vinyl Clad Wood Awning Windows with Stormwatch Protection, Impact Resistant

**Manufacturer:** Andersen Windows and Doors
100 Fourth Avenue North
Bayport, MN 55003-1096
(651) 264-5150

**General Description:**

| System | Description | Label Rating | Design Pressure Rating |
|---|---|---|---|
| 1 | 400 Series Awning Window with Stormwatch Protection/AX51 IG IR; X | LC-PG70 59.9 x 31.5 Missile Level D | +70 / -70 psf |
| 2 | 400 Series Awning Window with Stormwatch Protection/AX3251 IG IR; OXO | LC-PG60 84.6 x 31.5 Missile Level D | +60 / -65 psf |
| 3 | 400 Series Awning Window with Stormwatch Protection/A313 IG IR; OXO (stacked) | LC-PG60 35.9 x 71.9 Missile Level D | +60 / -65 psf |

**Product Dimensions:**

| System | Overall Size | Fixed/Operable Sash Size | Glass Daylight Opening Size |
|---|---|---|---|
| 1 | 59-7/8" x 31-1/2" | 58-5/16" x 30-11/32" | 55-1/16" x 27" |
| 2 | 84-5/8" x 31-1/2" | 26-13/16" x 30-3/8" | 23-1/2" x 27" |
| 2 | 35-15/16" x 71-7/8" | 34-3/8" x 22-15/16" | 31" x 19-1/2" |

**Product Identification (Certification Agency Label on Window):**

| System | | |
|---|---|---|
| 1 | Certification Agency | WDMA |
| | Manufacturer's Name or Code Name | Andersen Corporation<br>129-H-810 |
| | Product Name | 400 Series Awning Window with Stormwatch Protection |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-11;<br>ASTM E 1886-05, ASTM E 1996-05; Missile Level D |
| 2, 3 | Certification Agency | WDMA |
| | Manufacturer's Name or Code Name | Andersen Corporation<br>129-H-810 |
| | Product Name | 400 Series Awning Window with Stormwatch Protection |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-11;<br>ASTM E 1886-13, ASTM E 1996-14; Missile Level D |

**Impact Resistance:**

| System | Impact Resistant | Requirement |
|---|---|---|
| 1, 2, 3 | Yes | These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the **Inland I** and **Seaward zone**. The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded. |

**Installation:**

**System 1:** Fasten the window to minimum Spruce-Pine-Fir dimension lumber. Secure the window to the wall frame using stainless steel installation clips (1-1/2" x 3" x 0.024"). The clips are secured to the window frame with two No. 8 x 1" stainless steel pan head screws and to the wall framing with two No. 8 pan head screws. Along each side jamb, locate the clips approximately 12" from each corner. Along the head and the sill, locate the clips approximately 12" from each corner and one at the mid span. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

**System 2:** Fasten the window to minimum Spruce-Pine-Fir dimension lumber. Secure the window to the wall frame using stainless steel installation clips (1-1/2" x 3" x 0.024"). The clips are secured to the window frame with two No. 8 x 1" stainless steel pan head screws and to the wall framing with two No. 8 pan head screws. Along each side jamb, locate the clips at the mid span. Along the head and the sill, locate the clips approximately 12" and 32" from each corner. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

**System 3:** Fasten the window to minimum Spruce-Pine-Fir dimension lumber. Secure the window to the wall frame using stainless steel installation clips (1-1/2" x 3" x 0.024"). The clips are secured to the window frame with two No. 8 x 1" stainless steel pan head screws and to the wall framing with two No. 8 pan head screws. Along each side jamb, locate the clips approximately 4" from each end and 4" on either side of each intermediate frame. Along the head and the sill, locate the clips approximately 4" from each corner. Use fasteners long enough to penetrate a minimum of 1-1/2" into the wall framing.

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.